

Title (en)

MICROWAVE FILTER WITH A DIELECTRIC RESONATOR TUNABLE OVER A LARGE BANDWIDTH

Publication

EP 0047203 B1 19851121 (FR)

Application

EP 81401319 A 19810819

Priority

FR 8018771 A 19800829

Abstract (en)

[origin: US4459570A] A dielectric resonator ultra-high frequency filter tunable in a large band width in which each dielectric resonator is constituted by a dielectric component with a high dielectric constant, which is fixed relative to an enclosure and a component made from the same dielectric material which is movable relative to the first component, in such a way that the distance d between facing surfaces of these two dielectric components varies, leading to a variation in the tuning frequency of the filter by modifying the coupling conditions.

IPC 1-7

H01P 1/208; **H01P 7/10**

IPC 8 full level

H01P 1/20 (2006.01); **H01P 1/208** (2006.01); **H01P 7/10** (2006.01)

CPC (source: EP US)

H01P 1/2084 (2013.01 - EP US); **H01P 7/10** (2013.01 - EP US)

Cited by

CN105489989A; EP0346806A1; FR2633118A1; FR2546340A1; US4620168A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0047203 A1 19820310; **EP 0047203 B1 19851121**; AT E16659 T1 19851215; DE 3172989 D1 19860102; FR 2489605 A1 19820305; FR 2489605 B1 19840504; JP S5776901 A 19820514; US 4459570 A 19840710

DOCDB simple family (application)

EP 81401319 A 19810819; AT 81401319 T 19810819; DE 3172989 T 19810819; FR 8018771 A 19800829; JP 13535781 A 19810827; US 29658781 A 19810827